

Claims

- [c1] 1. A film removing equipment for removing a film from a substrate, comprising:
a base;
a transmission mechanism set up on the base;
a first erasing device set up on the transmission mechanism; and
a positioning platform set up on the base for carrying the substrate, wherein the transmission mechanism drives the first erasing device to remove the film from the substrate.
- [c2] 2. The film removing equipment of claim 1, wherein the first erasing device comprises:
a tape supply module;
a tape collect module; and
a erasing head module set up between the tape supply module and the tape collect module, wherein tape supply module provides an erasing tape to the erasing head module and the tape collect module receives the used erasing tape from the erasing head module.
- [c3] 3. The film removing equipment of claim 2, wherein the tape supply module further comprises:

a tape supply mechanism for providing the erasing tape;
and
a first set of idle wheels set up between the erasing head module and the tape supply mechanism.

[c4] 4. The film removing equipment of claim 2, wherein the tape collect module further comprises:
a tape collect mechanism for receiving the erasing tape;
and
a second set of idle wheels set up between the erasing head module and the tape collect mechanism.

[c5] 5. The film removing equipment of claim 2, wherein the first erasing device further comprises an erasing head transmission mechanism for mounting the erasing head module.

[c6] 6. The film removing equipment of claim 2, wherein the first erasing device further comprises an erasing liquid supply module connected to the erasing head module for providing some erasing liquid to the erasing head module.

[c7] 7. The film removing equipment of claim 6, wherein the erasing head module further comprises an erasing liquid supply pass connected to the erasing liquid supply module for providing some erasing liquid to the erasing tape.

- [c8] 8. The film removing equipment of claim 2, wherein the first erasing device further comprises at least an optical sensor set up somewhere along the transmission pathway of the erasing tape.
- [c9] 9. The film removing equipment of claim 2, wherein the erasing tape is fabricated using a dust-proofing cloth material.
- [c10] 10. The film removing equipment of claim 1, wherein the positioning platform further comprises a positioning mechanism for positioning the substrate on the positioning platform.
- [c11] 11. The film removing equipment of claim 1, wherein the equipment further comprises a positioning platform transmission mechanism connected to the positioning platform for controlling the movement of the positioning platform.
- [c12] 12. The film removing equipment of claim 1, wherein the equipment further comprises a second erasing device set up on the transmission mechanism of the erasing device.
- [c13] 13. An erasing device, comprising:
 - a tape supply module;
 - a tape collect module; and

an erasing head module set up between the tape supply module and the tape collect module, wherein the tape supply module provides an erasing tape to the erasing head module and the tape collect module receives the used erasing tape from the erasing head module.

[c14] 14. The erasing device of claim 13, wherein the tape supply module further comprises:
a tape supply mechanism for providing the erasing tape;
and
a first set of idle wheels set up between the erasing head module and the tape supply module.

[c15] 15. The erasing device of claim 13, wherein the tape collect module further comprises:
a tape collect mechanism for receiving the erasing tape;
and
a second set of idle wheels set up between the erasing head module and the tape collect module.

[c16] 16. The erasing device of claim 13, wherein the erasing device further comprises an erasing head transmission mechanism for mounting the erasing head module.

[c17] 17. The erasing device of claim 13, wherein the erasing device further comprises an erasing liquid supply module connected to the erasing head module for providing

some erasing liquid to the erasing head module.

- [c18] 18. The erasing device of claim 17, wherein the erasing head module further comprises an erasing liquid supply pass connected to the erasing liquid supply module for providing some erasing liquid to the erasing tape.
- [c19] 19. The erasing device of claim 13, wherein the erasing device further comprises at least an optical sensor set up somewhere along the transmission pathway of the erasing tape.
- [c20] 20. The erasing device of claim 13, wherein the erasing tape is fabricated using a dust-proofing cloth material.